Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/09/2019 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125281	0	1.79	125386	1.75
Blue	F	SSC	125000	124583	-1	1.60	125372	1.58
Blue	E	FITC	16433	16195	-2	2.67	354	18.93
Blue	D	PE	27595	27260	-2	1.85	594	14.30
Blue	B	PerCP-Cy5-5	43183	42859	-1	3.61	1154	19.96
Blue	A	PE-Cy7	31943	32105	0	5.98	609	40.37
Red	C	APC	42819	42695	-1	2.39	1508	11.91
Red	A	APC-Cy7	31261	30477	-3	2.31	806	11.69
Violet	B	V450	6527	6297	-4	4.41	352	13.20
Violet	A	V500	24533	23794	-4	4.13	554	10.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18093	9.48	611	11	N/A	N/A	Pass
Blue	F	SSC	56639	1.15	552	4	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0232	161	Pass
Blue	D	PE	125	48.23	536	2	0.1759	278	Pass
Blue	B	PerCP-Cy5-5	212	48.37	646	4	0.0094	40	Pass
Blue	A	PE-Cy7	116	96.27	695	6	0.0111	8	Pass
Red	C	APC	358	25.29	580	-3	0.0258	201	Pass
Red	A	APC-Cy7	178	27.86	559	-4	0.0058	852	Pass
Violet	B	V450	54	59.87	447	-8	0.0529	2178	Pass
Violet	A	V500	83	33.36	459	-8	0.0244	859	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.11	-31.85	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.33	13.60 - 20.40	N/A	N/A	29.63	29.86	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10419

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments